Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims

What is claimed is:

1.   (Currently Amended) A method, comprising:

receiving a request <u>at an information object repository</u> for an information object at an anycast network address <u>and without regard as to whether the information object is actually stored at the information object repository</u>; ~~and~~

resolving the request to a corresponding unicast address for the information object ~~.~~ <u>; and</u>

<u>instructing the information object repository to obtain a copy of the information object at the corresponding unicast address.</u>

2.   (Original) The method of claim 1 further comprising returning the unicast address for the information object.

3.   (Canceled)

4.   (Canceled)

5.   (Currently Amended) The method of claim ~~3~~ <u>1 wherein</u> the information object repository is selected according to specified performance metrics.

6.   (Original) The method of claim 5 wherein the performance metrics comprise one or more of: average delay from the selected information object repository to a source of the request, average processing delay at the selected information object repository, reliability of a path from the selected information object repository, available bandwidth in said path, and loads on the selected information object repository.

7.   (Currently Amended) An information object repository configured to resolve a network layer anycast address to a network layer unicast address in response to a request for an information object at the network layer anycast address <u>and to obtain a copy of the information object at the network layer unicast address</u>.

8.   (Original) The information object repository of claim 7 being further configured to resolve the network layer anycast address by transmitting a request for the network layer unicast address and awaiting a response thereto.

9.   (Original) The information object repository of claim 8 being further configured to return a failure message to a source of the request for the information object if the response to the request for the network layer unicast address is not received within a timeout period.

10.   (Currently Amended) A network, comprising:

at lest one client configured to transmit a request for an information object using a network layer anycast address; and

an information object repository configured to receive the request for the information object , ~~and~~ to resolve the network layer anycast address into a network layer unicast address <u>and to obtain a copy of the information object at the network layer unicast address</u> .

11. (Original) The network of claim 10 wherein the information object repository is further configured to resolve the network layer anycast address by transmitting a request for the network layer unicast address and awaiting a response thereto.

12. (Original) The network of claim 11 wherein the information object repository is further configured to return a failure message to the client if the response to the request for the network layer unicast address is not received within a timeout period.

13. (Original) The network of claim 12 wherein the request for the network layer unicast address comprises a single IP packet that includes the network layer anycast address.

14. (Original) The network of claim 13 wherein the response to the request for the network layer unicast address comprises a single IP packet that includes the network layer unicast address.

15. (Original) The network of claim 14 wherein the response to the request for the network layer unicast address is returned by a host having the network layer unicast address.